



Formula: C₆H₁₃NO₆

MW: 195.17

CAS: 3646-68-2

MDL:

TNP:

2-amino-2-deoxy-d-gluconicaci; D-GLUCOSEAMINIC ACID; D-GLUCOSAMINIC ACID; D-GLUCOSAMIC ACID; D-(P)-GLUCOSAMINIC ACID; GLUCOSAMIC ACID; GLUCOSAMINIC ACID; GLUCOSAMINIC ACID, D-



LogP: -4.7

LogS: -0.78

Acceptors: 6

Donors: 7

Rotation Bonds: 7

Chiral Centers: 4

N+O: 7

LIPINSKY: 3

IUPAC: (4S,2R,3R,5R)-2-amino-3,4,5,6-tetrahydroxyhexanoic acid

Smiles: C([C@@H]([C@H]([C@@H]([C@H](O)CO)O)O)N)(=O)O

Specification: Sugars, Carbohydrates & Glucosides; 13C & 2H Sugars; Aminosugars; Biochemistry; Glucose; Sugar Acids; Sugars; Dextrins?Sugar & Carbohydrates; Carbohydrates

& Derivatives D-Glucosaminic acid Chemical Properties:

mp 235-245 C (dec.) refractive index -15 (C=2.5, 1 mol/L HCl) storage temp. 2-8C EPA
Substance Registry System D-Gluconic acid, 2-amino-2-deoxy-(3646-68-2) Safety Information
WGK Germany 3 F 3-10 D-Glucosaminic acid Usage And Synthesis Chemical Properties:

White Crystalline Solid Usage A useful starting material for the synthesis of aldonic acids
containing a free carboxyl group and having all hydroxyl functions esterified with a simple
carboxylic acid are well established derivatives D-Glucosaminic acid